

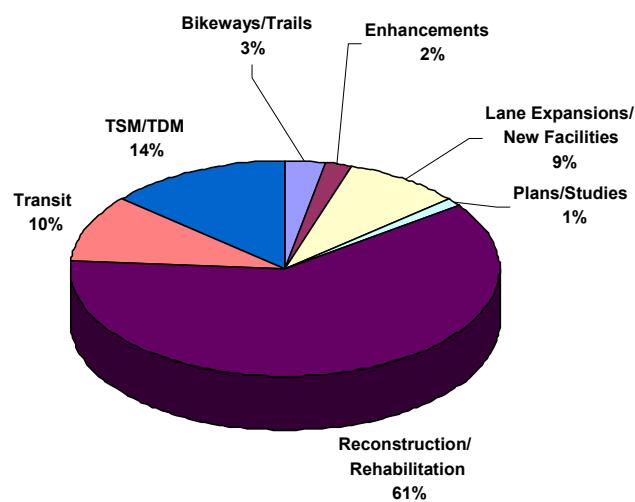
2004-2009 Transportation Improvement Program

A. Relationship to 2025 MTP

The 2004-2009 *Transportation Improvement Program* (TIP) summarizes transportation planning and programming activities in the AMPA for federal fiscal years 2004 through 2009 and serves as the detailed federal funding program for the first six years of the MTP. Only projects that will implement the 2025 MTP for the AMPA are eligible to be included in the TIP. The first three years of this TIP meet federal requirements for an adopted TIP for the AMPA.

The TIP was developed under the direction of MRCOG's Metropolitan Transportation Board (MTB). As the metropolitan planning organization for the AMPA, the MRCOG is responsible for developing the TIP in cooperation with the New Mexico State Highway and Transportation Department (NMSHTD) and the local transit provider, the City of Albuquerque.

Figure VIII-1 2004 – 2009 TIP Funds Distribution by Project Type



B. Project Details

The TIP consists of the TIP projects, an analysis of the TIP projects, and an air quality conformity analysis. The TIP projects are contained in a three year program (FY 2004-2006) required by Federal regulation and a planning document for the following three years (FY 2007-2009). This second portion of the TIP is not required to meet the stringent financial constraints of the first three years. A brief analysis of the TIP projects is provided below. The 2004-2009 TIP provides a detailed listing of the federally funded projects contained within the 2025 MTP. For this reason, the MTP analysis in relation to financial constraint and federal planning factors, as well as the air quality conformity analysis for the 2025 MTP, contain the projects included in the 2004-2009 TIP and separate analyses are not required. These materials are provided in Section VI.

The TIP does not show all the costs necessary to maintain existing transportation facilities. The various local jurisdictions make these expenditures using local funds. This information is provided in the 2025 MTP financial element (Section V). The TIP is developed based on the assurance that these agencies will continue to maintain the current system at appropriate levels.

2004-2009 TIP summary information:

- The 2004-2009 TIP contains 48 projects programmed to receive Federal transportation funds between October 1, 2003 and September 30, 2009.
- Federal funds programmed in the 2004-2009 TIP total approximately \$180 million.
- Of this amount, approximately \$34 million is programmed for repayment of the debt for the I-40/I-25 Interchange (Big I) reconstruction. An additional \$285,000 is programmed for repayment of the area's share of the debt service for reconstruction of N.M. 44 (the new U.S. 550).
- Approximately 61 percent of the total funds in the TIP are programmed for reconstruction and rehabilitation projects. Funds are also programmed for projects ranging from ITS activities to pedestrian and bicycle facilities to roadway expansion and reconstruction. Figure VIII-1 shows how the total amount of funding is distributed among the various project types. Please note that the percentage for transit does not include operating funds.

The funding and activities described for FY2004, FY2005, and FY2006 are the most essential because they comprise the official federal three-year TIP. The FY2007, FY2008, and FY2009 project listings are developed for planning purposes only and will be refined as future TIPs are developed. The projects are listed in Table VIII-1. This table is further supplemented by the project profile sheets which are provided for each project. The *2004-2009 Transportation Improvement Program*, a separate companion document, also contains the project tables and the project profile sheets and will be updated periodically as amendments are made to the TIP. This separate document provides a lower-cost mechanism for distributing changes to the TIP to interested parties throughout the life of the TIP.

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Table VIII-1 FY2004-2009 Transportation Improvement Program (TIP) Federal Funds Summary (by Program)¹

| Congestion Mitigation/Air Quality (CMAQ) | | | | Federal TIP | | | | | | Planning TIP | | | Air Quality (CO Analysis) | | |
|--|--------|------|----------------|-------------|---------|---------|---------|---------|---------|--------------|-----------|-----------|---------------------------|--|----------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total | (kg/day) | tons/day | | |
| Albuquerque Traffic Management System | 40 | 3184 | COA | PWD | \$1,000 | \$975 | \$950 | \$250 | \$1,000 | \$4,425 | 12,694.00 | | | | |
| Bear Canyon Arroyo Trail & Overcrossing | 58 | | COA | P&R | | | | \$117 | | \$117 | | | | | 13,992.7 |
| Bicycle TDM Program | 1 | 7366 | COA | PWD | \$100 | \$175 | \$175 | \$175 | \$175 | \$975 | 973.00 | | | | 1,072.5 |
| Eagle Ranch Park & Ride | 374 | | COA | Transit | | \$200 | | | | \$200 | 43.77 | | | | 0.0482 |
| Freeway ITS Deployment/Operations | 48 | 2976 | NMSHTD | D-3 | | | \$88 | \$1,392 | \$781 | \$1,500 | \$3,761 | | Quality Assessment | | |
| I-40/Louisiana Interchange | 51 | 2633 | COA | PWD | | \$200 | | | | \$1,050 | 0.13 | | | | 0.0001 |
| Isleta Boulevard Improvements, Phase II | 15 | 2033 | BCO | PWD | \$1,013 | | | | | | | | | | |
| McMahon Extension, Unser to Coors Bypass | 45 | 9823 | COA | PWD | \$880 | | | | | | | | | | 0.0073 |
| Rapid Transit Project | 345 | 7536 | COA | Transit | | | \$1,000 | \$1,000 | \$800 | | | | | | 1,979.8 |
| Transportation Demand Management Program | 38 | 7238 | COA | Transit | | \$255 | \$120 | \$735 | \$625 | | | | | | |
| Westside Transit Facility | 46 | 9565 | COA | Transit | \$455 | \$1,681 | \$1,200 | | | | | | | | 0.2543 |
| | | | Total Projects | | \$3,448 | \$3,486 | \$3,533 | \$3,552 | \$3,598 | \$3,525 | \$21,142 | 15,744.22 | 17.3550 | | |
| CMAQ - Flexible | | | | Federal TIP | | | | | | Planning TIP | | | CMAQ Analysis | | |
| Freeway ITS Deployment/Operations | 48 | 2976 | NMSHTD | D-3 | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$9,600 | | | | |
| | | | Total Projects | | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$1,600 | \$9,600 | 0.00 | | | |

| Surface Transportation Program - Urban | | | | | | | Federal TIP | | | | Planning TIP | | | |
|---|--------|------|-------|-----------------|---------|---------|-------------|---------|---------|---------|--------------|--|--|-----------------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | | | | Total |
| Academy Medians & Bikeways, San Mateo to Ventura | 371 | COA | PWD | | \$290 | \$368 | | | | | | | | \$1,259 |
| Albuquerque Traffic Management System | 40 | 3184 | COA | PWD | \$41 | \$376 | \$930 | \$1,510 | \$1,545 | | | | | \$4,402 |
| Comanche Road Bikeways (West), Carlisle to I-25 | 55 | 1414 | COA | PWD | | \$111 | \$658 | | | | | | | \$770 |
| Downtown Core Area Improvements, Lead and Coal Forecasting Model Enhancements | 26 | 3422 | COA | PWD | \$1,162 | | | | | | | | | \$1,162 |
| Fourth Street Improvements | 4 | 3475 | LR | MRCOG | \$59 | \$57 | | | \$470 | | | | | \$115 |
| Gibson Extension, Louisiana to Juan Tabo | 52 | 2729 | COA | PWD | \$393 | \$2,149 | \$1,107 | | | | | | | \$4,119 |
| I-40/Louisiana Interchange | 51 | 2633 | COA | PWD | \$500 | | \$2,436 | | | | | | | \$2,936 |
| I-40/Louisiana Landscaping | 53 | 3023 | COA | Planning | \$380 | | | | | | | | | \$380 |
| I-40 Trail Crossing Rio Grande | 57 | 2689 | COA | P&R | | \$189 | | | | | | | | \$189 |
| Isleta Boulevard Improvements, Phase II | 15 | 2033 | BCO | PWD | \$800 | \$2,166 | \$1,842 | \$1,740 | \$2,500 | \$2,245 | | | | \$11,293 |
| McMahon Extension, Rainbow to Unser | 368 | | COA | PWD | | | | | \$484 | \$2,676 | \$1,500 | | | \$4,660 |
| McMahon Extension, Unser to Coors Bypass | 45 | 9823 | COA | PWD | \$4,853 | | | | | | | | | \$4,853 |
| Northern Boulevard | 347 | 2954 | RR | PWD | | | | | | | | | | \$1,748 |
| Second Street/Menaul Intersection | 370 | | COA | PWD | | | | | | | | | | \$2,858 |
| Second Street/Montano Intersection | 369 | | COA | PWD | \$1,250 | \$1,204 | | | | | | | | \$2,454 |
| Southern Boulevard | 353 | 2363 | RR | PWD | | | | | | | | | | \$3,427 |
| Transportation Demand Management | 38 | 7238 | COA | Transit | \$785 | \$530 | \$675 | \$50 | | | | | | \$2,040 |
| Transportation Surveillance Program | 384 | | MRCOG | | \$211 | \$203 | \$209 | \$211 | \$204 | \$204 | | | | \$1,241 |
| Unser Boulevard North | 381 | | RR | PWD | | \$1,326 | \$233 | \$2,351 | | | | | | \$3,910 |
| | | | | Project Totals: | \$9,231 | \$9,316 | \$9,409 | \$9,503 | \$9,598 | \$9,694 | | | | \$56,751 |

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| STP-Enhancements | | | | | Federal TIP | | | Planning TIP | | | |
|---|--------|------|------------|-----------------|-------------|-------|-------|--------------|-------|-------|----------------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| Bernalillo Main Street Streetscape | 382 | | Bernalillo | | \$225 | \$175 | | \$355 | \$400 | | \$1,155 |
| Bicycle/Pedestrian Safety Education Program | 2 | 9819 | COA | PWD | \$50 | \$50 | \$40 | \$40 | \$40 | | \$260 |
| Cross-Town Bikeways & Sidewalks | 10 | 3641 | RR | PWD | \$200 | | | | \$200 | | \$400 |
| Fourth Street Improvements | 4 | 3475 | LR | | | \$520 | | | | | \$520 |
| I-40 Trail Crossing Rio Grande | 57 | 2689 | COA | P&R | | \$350 | | \$750 | \$400 | | \$1,500 |
| I-40/Embudo Trail Connection | 60 | 3026 | COA | P&R | | \$225 | | | | | \$225 |
| I-40/Louisiana Landscaping | 53 | 3023 | COA | PWD | \$265 | | | | | | \$265 |
| I-40/Tri-Centennial East Gateway Zone | 372 | | COA | PL | | \$20 | | | \$70 | | \$90 |
| I-40/Tri-Centennial West Gateway Zone | 373 | | COA | PL | | - | | \$30 | | \$70 | \$100 |
| North Diversion Channel Trail, Phase I I | 61 | 9846 | COA | P&R | \$275 | | | | | | \$275 |
| Route 66 Museum/Visitor Center/ADA Access | 379 | | COA | CIP | | | | | \$25 | \$50 | \$75 |
| | | | | Project Totals: | \$790 | \$795 | \$810 | \$820 | \$820 | \$830 | \$4,865 |

| High Priority Projects | | | | | Federal TIP | | | Planning TIP | | | |
|--|--------|------|------|-----------------|-------------|------|------|--------------|------|------|--------------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| Unser Blvd., Bernalillo County Line to Paradise Blvd | 54 | 7287 | COA | PWD | \$556 | | | | | | \$556 |
| | | | | Project Totals: | \$556 | \$0 | \$0 | \$0 | \$0 | \$0 | \$556 |

| Interstate Maintenance | | | | | Federal TIP | | | Planning TIP | | | |
|--|--------|------|--------|-----------------|-------------|----------|---------|--------------|----------|------|-----------------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| I-25 Sandoval County Line North | 363 | 2684 | NMSHTD | D-3 | | \$2,779 | \$3,706 | | | | \$6,485 |
| I-25 Alameda Blvd to Sandoval County Line | 362 | 816 | NMSHTD | D-3 | | | | \$4,632 | \$4,000 | | \$8,632 |
| I-40/I-25 Interchange (Big I) Debt Service | 331 | 3636 | NMSHTD | D-3 | \$3,205 | \$3,205 | \$3,205 | \$3,205 | | | \$16,025 |
| I-40/Pennsylvania Overpass | 118 | 3117 | NMSHTD | D-3 | | | | | \$3,000 | | \$3,000 |
| I-40/Sedillo Hill | 360 | 3582 | NMSHTD | D-3 | \$4,632 | | | | | | \$4,632 |
| I-40 Tramway to Wyoming | 74 | 1465 | NMSHTD | D-3 | \$4,817 | \$6,763 | | | | | \$11,580 |
| | | | | Project Totals: | \$12,654 | \$12,747 | \$6,911 | \$7,837 | \$10,205 | | \$50,354 |

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| National Highway System | | | | | Federal TIP | | | Planning TIP | | | |
|--|--------|------|-----------------|-------|-------------|---------|---------|--------------|---------|------|----------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| I-40/I-25 Interchange (Big I) Debt Service | 331 | 3636 | NMSHTD | D-3 | \$3,913 | \$3,913 | \$3,913 | \$3,913 | \$3,913 | | \$19,565 |
| U.S. 550 Debt Service (District 3 Share) | 336 | 3404 | NMSHTD | D-3 | \$57 | \$57 | \$57 | \$57 | \$57 | | \$285 |
| U.S. 550/NW Loop to I-25 Corridor Study | 386 | | NMSHTD | D-3 | \$500 | | | | | | \$500 |
| | | | Project Totals: | | \$4,470 | \$3,970 | \$3,970 | \$3,970 | \$3,970 | | \$20,350 |

| NHS - Other | | | | | Federal TIP | | | Planning TIP | | | |
|---|--------|------|-----------------|-------|-------------|------|---------|--------------|------|------|---------|
| Project | TIP ID | CN | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| I-25 Sandoval County Line North | 363 | 2684 | NMSHTD | D-3 | | | \$3,418 | | | | \$3,418 |
| I-25 Alameda Blvd to Sandoval County Line | 362 | 816 | NMSHTD | D-3 | | | \$4,272 | | | | \$4,272 |
| | | | Project Totals: | | \$0 | \$0 | \$3,418 | \$4,272 | \$0 | | \$7,690 |

| FTA Section 5309 | | | | | Federal TIP | | | Planning TIP | | | |
|--|--------|--|-----------------|---------|-------------|------|------|--------------|------|------|---------|
| Project | TIP ID | | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| Alvarado Transportation Center II: Depot | 391 | | COA | Transit | \$2,823 | | | | | | \$2,823 |
| | | | Project Totals: | | \$2,823 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,823 |

| FTA Section 5307 | | | | | Federal TIP | | | Planning TIP | | | |
|---|--------|------|-----------------|-------|-------------|------|------|--------------|------|------|---------|
| Project | TIP ID | | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| Revenue Vehicles and Associated Equipment | 37 | 9623 | COA | | \$8,000 | | | | | | \$8,000 |
| Transit Enhancements | 44 | | COA | | \$69 | \$73 | \$77 | \$81 | \$85 | | \$384 |
| | | | Project Totals: | | \$8,069 | \$73 | \$77 | \$81 | \$85 | | \$8,384 |

| FTA Section 3037 (JARC) | | | | | Federal TIP | | | Planning TIP | | | |
|---|--------|--|-----------------|-------|-------------|------|-------|--------------|-------|------|-------|
| Project | TIP ID | | Lead | Dept. | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Total |
| Job Access and Reverse Commute Projects | 392 | | COA | | \$300 | | \$300 | | \$300 | | \$900 |
| | | | Project Totals: | | \$300 | \$0 | \$300 | \$0 | \$300 | | \$900 |

C. FY2004 - 2009 TIP Implementation of CMS Strategies

The FY2004-2009 TIP implements several of the key Congestion Management System strategies, including the emerging Intelligent Transportation System (ITS), identified in both the 2025 MTP and in the CMS element of *Local Motion*.

TIP projects implementing CMS strategies comprise a total of approximately \$176,000,000, or about 87 percent of the \$203,000,000 in federal, state and local funds programmed for federal fiscal years 2004 through 2009.

Table VIII-2 summarizes those projects anticipated to be completed or underway by FY2009.

Table VIII-2 Summary of CMS/ITS Implementation

| Project | TIP ID | CN | ITS Priorities | | CMS Strategies in Local Motion & 2025 MTP (FY of Construction/Implementation) | | | | |
|---|--------|------|----------------|-------|---|-----------|-----|--------------|---------------------|
| | | | Major | Minor | TDM | Transit | TSM | SOV Capacity | Performance Measure |
| Academy Medians & Bikeways | 371 | 3342 | | | 06 | | | | |
| Albuquerque Traffic Management System | 40 | 3184 | #2 | | | | | 09 | |
| Alvarado Transportation Center II: Depot | 391 | | | | 04 | 04 | | | |
| Bear Canyon Arroyo Trail & Over crossing | 58 | 9615 | | | Plan | | | | |
| Bernalillo Main Street Streetscape | 382 | 3450 | | | 08 | | | | |
| Bicycle Travel Demand Management Program | 1 | 7366 | | | 04-08 | | | | |
| Bicycle/Pedestrian Safety Education Program | 2 | 9819 | | | 04-09 | | | | |
| Comanche Road Bike Lanes (West) | 55 | 1414 | | | 07 | | | | |
| Cross-town Bikeways & Sidewalks | 10 | 3641 | | | 04,09 | | | | |
| Downtown Core Area Improvements (Phase II) | 26 | 3422 | | | 05 | | | 05 | |
| Eagle Ranch Park & Ride | 374 | 9416 | | | | | | | |
| Forecasting Model Enhancements | 383 | 3351 | | | | | | | 04-05 |

| Project | TIP ID | CN | ITS Priorities | | CMS Strategies in Local Motion & 2025 MTP (FY of Construction/Implementation) | | | | | Performance Measure |
|--|--------|------|----------------|-------|--|--------------|--------------|--------------|--------------|---------------------|
| | | | Major | Minor | TDM | Transit | TSM | SOV Capacity | | |
| Fourth Street Improvements | 4 | 3475 | | | | 05-07 | 05-07 | | | |
| Freeway ITS Deployment/Operations | 48 | 2976 | #1 | | | | 04-09 | | | 04-09 |
| Gibson Extension | 52 | 2729 | | | | | | | ROW | |
| I-25 Alameda to Sandoval County Line | 362 | 2683 | | | | | | | | |
| I-25 Sandoval County Line to US550 | 363 | 816 | | | | | | | 06 | |
| I-40 Trail Crossing Rio Grande | 57 | 2689 | | | 05-08 | | | | | |
| I-40 Tramway to Wyoming | 74 | 1465 | | | | | | | 05 | |
| I40/Embudo Trail Connection | 60 | 3026 | | | 06 | | | | | |
| I-40/I-25 Interchange Debt Service | 331 | 3636 | | | | | 03 | | 03 | |
| I-40/Louisiana Interchange | 51 | 2633 | | | 06 | | 06 | | | |
| I-40/Louisiana Landscaping | 53 | 3023 | | | | | | | | |
| I-40/Pennsylvania Overpass | 118 | 3117 | | | 08 | | | 08 | | |
| I-40/Sedillo Hill | 360 | 3582 | | #7 | | | | | | |
| I-40/Tri-Centennial East Gateway Zone | 372 | 3324 | | | 06 | | | | | |
| I-40/Tri-Centennial West Gateway Zone | 373 | 3415 | | | 07 | | | | | |
| Isleta Boulevard Roadway Improvements | 15 | 2033 | | #4 | 05-09 | 05-09 | 05-09 | | 05-09 | |
| Job Access & Reverse Commute Projects | 392 | | | | | 04-08 | | | | |
| McMahon Extension, Rainbow to Unser | 368 | 3354 | | | | | | | 09 | |
| McMahon Extension, Unser to Coors Bypass | 45 | 9823 | | | | 04 | | | 04 | |
| North Diversion Channel Trail, Phase II | 61 | 9846 | | | 04 | | | | | |
| Northern Boulevard | 347 | 2954 | | #8 | | | 08 | | 08 | |
| Rapid Transit Project | 345 | 7536 | | | | Plan | | | | |
| Revenue Vehicles & Associated Equipment | 37 | 9623 | | | | 04 | | | | |
| Route 66 Museum/Visitor Center | 379 | 3339 | | | | | | | | |

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| Project | TIP ID | CN | ITS Priorities | | CMS Strategies in Local Motion & 2025 MTP (FY of Construction/Implementation) | | | | | Performance Measure |
|--|--------|------|----------------|-----------|---|--------------|--------------|--------------|-----------|---------------------|
| | | | Major | Minor | TDM | Transit | TSM | SOV Capacity | | |
| Second Street/Menaul Intersection | 370 | 3325 | | | | | 07 | | | |
| Second Street/Montano Intersection | 369 | 3358 | | | | | 05 | | | |
| Southern Boulevard | 353 | 2363 | | #6 | | | Plan | Plan | | |
| Transit Enhancements | 44 | | | | 04-08 | 04-08 | | | | |
| Transportation Demand Management Program | 38 | 7238 | | | 04-09 | | | | | |
| Transportation Surveillance Program | 384 | 7688 | | #3 | | | 04-09 | | | 04-09 |
| Unser Boulevard | 54 | 7287 | | | | | | | 04 | |
| Unser Boulevard North | 381 | 2150 | | #5 | 05-07 | | 05-07 | 05-07 | | |
| US550 Corridor Study | 386 | 2933 | | | | | | | | |
| US550 Debt Service (District 3 Share) | 336 | 3404 | | | | | | | 04 | |
| Westside Transit Facility | 46 | 9565 | | | | 04-06 | | | | |

May 12, 2003

Section VIII Notes:

1. As of May 1, 2003. Amounts are federal only, and in thousands of dollars.